Technology Departments

**Department of Manufacturing & Construction Engineering Technology and Interior Design (MCET)**
Engineering and Technology Building, Room 221
(260) 481-4127

MCET offers a two-year associate's degree in architectural engineering technology (ARET) and civil engineering technology (CET). This degree prepares you for technical employment with architects, engineers, builders, materials suppliers, and related government agencies. Most A.S. students continue their education in the bachelor's program for construction engineering technology (CNET), taking an option in civil engineering technology or construction engineering technology.

Department of Manufacturing & Construction Engineering Technology and Interior Design also offers an associate's degree in interior design (INTR). This program combines general education courses with creative and technical classes to prepare you for the responsibilities of a commercial or residential designer.

If you’re thinking about a career in a technical field, enjoy analyzing machine operations, like improving or fixing things, and have good mathematical skills, consider a major in mechanical engineering technology (MET) at IPFW, where we offer associate and bachelor's degree programs. Both degree programs are designed to provide a good balance between laboratory experience, technical and general education, and elective courses.

In addition, associate and bachelor's degrees are offered in industrial engineering technology (IET). Consider this degree if you would like a technical career where you can help produce goods and services efficiently and enjoy working with people. Industrial engineering technologists work to improve quality and productivity at a minimum cost.

**Department of Computer and Electrical Engineering Technology and Information Systems and Technology (CEIT)**
Engineering and Technology Building, Room 205
(260) 481-6338

If you are interested in hands-on work with electronics, networking, information systems or computer hardware and software, rather than pure computer programming or engineering, consider a major in the department of Computer and Electrical Engineering Technology & Information Systems and Technology (CEIT).

Both the Associate of Science, and the Bachelor of Science with a major in electrical engineering technology (EET) provide technical preparation with an emphasis on laboratory and problem-solving skills that will help you prepare for employment in all areas of electronics. Each provides experience in digital electronics, microprocessors, programming, and prepares you for technical report writing, and presentations of your findings.

The computer engineering technology (CPET) Bachelor of Science program prepares students for careers as professionals in many areas involving computer systems and electronics. Some of these are hardware and software support and design for industrial networking, Internet and networking control, computer systems, instrumentation, and other emerging technical areas.

The Information Systems (IS) Associate of Science and Bachelor of Science major prepare students for a career using computer software in business management, and the implementation of technology within an organization. It provides you the skills of dealing with abstract ideas, using systems concepts for diagnosing problems, and providing an understanding of both technology and business practices.

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**With Guests**

Jenna Ross, Zimmer, Inc. and Bill Westrick, Zoom Information Systems

**IPFW**

College of Engineering, Technology, and Computer Science and the
Department of Engineering

**Presents**

Middle School Career Day

February 27, 2009
March 27, 2009
Welcome Middle School Students and Teachers

9:15-9:30 Check in and Welcome (Walb Ballroom)
9:30-9:45 Session 1 Introductory Presentation
9:45-9:55 Walk over to ETCS Building
10:00-10:15 Session 2 11:00 - 11:15 Session 5
10:20-10:35 Session 3 11:20 - 11:35 Session 6
10:40-10:55 Session 4 11:40 - 11:55 Session 7
12:00 - 12:15 Session 8
12:20-12:30 Walk back to Walb
12:30-1:00 Pizza Lunch for groups with reservations

Presenters

Tech No Geeks - Lots of Peeps - Professor Gary Steffen
Dept. of Computer & Electrical Engineering Technology and
Information Systems and Technology (CEIT), Associate Professor, Chair

Digital Stop & Go - Dr. Iskander Hack
Dept. of Computer & Electrical Engineering Technology and
Information Systems and Technology (CEIT), Associate Professor

Supply Smarts - Dr. Jaby Mohammed
Dept. of Mfg & Construction Engineering Technology & Interior Design (MCET),
Assistant Professor, Director of Technology Graduate Program

Power Structures - Dr. Reynaldo Pablo
Dept. of Mfg & Construction Engineering Technology & Interior Design (MCET),
Assistant Professor and Program Coordinator, CET

Keep it Moving! - Ms. Jenna Ross
Guest presenter from Zimmer, Inc., Development Engineer

Fractal Fun - Dr. Mark Temte
Dept. of Computer Science, Associate Professor

Sound Signals - Dr. Elizabeth Thompson
Dept. of Engineering, Associate Professor of Electrical Engineering

Kiwi Motion - Mr. Bill Westrick
Guest presenter from Zoom Information Systems, Director of R & D
Assisted by Deep Rauniyar, IPFW Electrical Engineering Student

Career Day Program Coordinators
Faculty Director: Elizabeth Thompson, Ph.D., Dept. of Engineering, SWE Advisor
ETCS Outreach Coordinator: Carol Dostal, Director of Outreach

Escorts
Judy Baker, Administrative Assistant, ETCS/OLS
Desmond Booker, IPFW Student, Office of Diversity & Multicultural Affairs
Patrick Deady, IPFW Student, Student Admissions Representative program
Jasmine Hill, IPFW Student, Office of Diversity & Multicultural Affairs
Caryl Spira, Program Assistant, ETCS Outreach
Anita Vannatta, IPFW Graduate Assistant, OACS
Diane Zimmanck, IPFW Student, Student Admissions Representative program
Alternate: Randi Boyd, Administrative Assistant, ETCS Outreach

College of Engineering, Technology, and Computer Science
Dean Gerard Voland, (260) 481-6839

Department of Computer Science
Engineering and Technology Building, Room 125, (260) 481-6803

The Department of Computer Science offers a bachelor's degree in computer science with concentrations in software development and network and visual computing. Computer scientists engage in a wide variety of activities including: a) designing and building software, such as video games, internet search engines, and business information systems; b) developing effective ways to solve computing problems, such as storing information in databases, sending data over networks or protecting computers from viruses; and c) devising new and better ways of using computers in areas such as robotics, computer vision, and medicine. Graduates with bachelor's degrees in computer science work as programmers, software architectures, human-computer interface designers, network administrators, and web developers. If you desire a career in a dynamic, fast-growing, and financially rewarding field, then Computer Science is for you.

Department of Engineering
Engineering and Technology Building, Room 327, (260) 481-6362

The Department of Engineering offers bachelor's degrees in civil engineering, electrical engineering, computer engineering, and mechanical engineering. If you think of yourself as an innovator, builder and problem solver, then Engineering would be an excellent career for you to consider. Engineers use scientific knowledge in a wide variety of ways. They design and build machines and energy generation systems for greater efficiency. They develop life-saving tools and techniques, methods of reducing environmental pollution, and new ways to solve other societal problems. Engineers are vital to the well-being of any advanced society.

Students studying within the IPFW Department of Engineering are challenged to pursue ideas from conception to realistic design. The program involves strong computer usage and design components. Electrical engineers work with production of electricity and electronic equipment; and mechanical engineers work with the production of engines, machines and other mechanical devices. Graduates of Engineering programs apply scientific concepts to develop solutions to real world problems, for example the design of new products such as a robot that will be used in an auto manufacturing plant. Engineers require more theoretical, scientific and mathematical knowledge than does the engineering technology graduate.